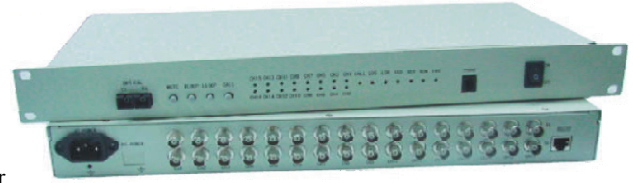


OT480

16E1 Fiber Optic Multiplexer

Features

1. Advanced and compact design that performs E1 multiplexing & de-multiplexing and provides a 8.192Mbit/s
2. Optical interface in a single unit
3. Built-in AC/DC or DC/DC converter and supervisory microprocessor
4. Digital clock and data recovery for E1 & optical signal
5. Provides visible and audible alarm indications
6. Local & remote loop back controls for diagnostics and troubleshooting
7. Order-wire channel for end to end installation and maintenance
8. Low power consumption
9. High reliability



Introduction

OT480 series are a low cost and high performance optical line transmission equipment, which combines up to 16 E1 channels into an optical data stream for transport over single mode or multimode fiber optic cables. Several transmitter options for different fiber cable types

and wave-lengths are available. This optical line equipment is developed for transmission in access networks, corporate networks, dedicated networks for railway and power companies etc.

Specification

Fiber Optic Interface

Bit Rate: 155Mb/s±50ppm

Line code: 1B1H

Optical source: LD

Typical output power: ≥ -9dBm

Receiver Type: PINFET

Receiver sensitivity: ≤ -38dBm (BER≤10⁻¹¹)

Wave-length: 1310/1550 nm

Optical connector: FC / SC

Electrical Interface (E1 Tributary)

Channel capacity: 16 channels

Bit rate: 2.048 Mbit/s±50ppm

Line code: HDB3

Nominal impedance: 75Ω unbalanced / 120Ω balanced

Jitter character: ITU G.742, G.823 compliant

Connector: Male DB37 interface with CC3 coaxial connectors adapter (75Ω unbalanced) or RJ45 connectors adapter (120Ω balanced)

Power Supply

Power input: AC, DC or AC / DC redundant optional

DC power: DC-48V / DC24V optional

CAC power: AC220V (185~265V)

Power consumption: ≤ 6W

Management Port

Electrical characteristics: EIA RS-485 or RS-422 compliant, optional

Baud rate: 19200 baud

Connector: Female RJ45, 8-pin jack

Environmental

Operation temperature: -5 ~ 40°C

Storage temperature: -20 ~ 60°C

Humidity 5% ~ 90% RH(non-condensing)

Mechanical

Standalone Compact (19"/2)

Dimension : 200mm(W)×43.5mm(H)×150mm(D)

Weight: 1.0Kg

Rack type: EIA 19"

Standalone (19")

Dimension: 440mm(W)×43.5mm(H)×150mm(Dh)

Weight: 1.1Kg

Rack type: EIA 19"

Packing List

1. E1 Fiber Optic Multiplexer OT480×1
2. 220V power line ×1
3. User manual ×1

Ordering Information

Model NO.	Description
OT480/20	16×E1 PDH, 1U 19" RACK, AC+DC, 20km, SC
OT480/40	16×E1 PDH, 1U 19" RACK, AC+DC, 40km, SC
OT480/60	16×E1 PDH, 1U 19" RACK, AC+DC, 60km, SC
OT480A/20	16×E1+10/100M Ethernet PDH, 1U 19" RACK, AC+DC, 20km, SC
OT480A/40	16×E1+10/100M Ethernet PDH, 1U 19" RACK, AC+DC, 40km, SC
OT480A/60	16×E1+10/100M Ethernet PDH, 1U 19" RACK, AC+DC 60km, SC